

Express Mailing Label No. EM245690218US

PATENT APPLICATION
Docket No: 11675.83

DECLARATION, POWER OF ATTORNEY, AND PETITION

We, Fernando Gonzalez and Randhir Thakur, declare: that we are citizens of the United States of America and India, respectively; that our residences and post office addresses are 2579 S. Flotilla Ave, Boise, ID 83706, and 3545 South Bridgeporte Street, Boise, ID 83706, respectively; that we verily believe we are the original, first, and joint inventors of the subject matter of the invention or discovery entitled SHALLOW DOPED JUNCTIONS WITH A VARIABLE PROFILE GRADIATION OF DOPANTS AND METHOD FOR FORMING SAME, for which a patent is sought and which is described and claimed in the specification attached hereto; that we have reviewed and understand the contents of the above-identified specification, including the claims referred to, and that we acknowledge the duty to disclose information which is material to the examination of this application in accordance with Section 1.56(a) of Title 37 of the Code of Federal Regulations.

We declare further that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

We hereby appoint as our attorneys and/or patent agents: H. ROSS WORKMAN, Registration No. 25,230; RICK D. NYDEGGER, Registration No. 28,651; DAVID O. SEELEY, Registration No. 30,148; KENT S. BURNINGHAM, Registration No. 30,453; TODD E. ZENGER, Registration No. 33,610; JONATHAN W. RICHARDS, Registration No. 29,843; MICHAEL F. KRIEGER, Registration No. 35,232; BRADLEY K. DeSANDRO, Registration No. 34,521; JOHN M. GUYNN, Registration No. 36,153; DANA L. TANGREN, Registration No. 37,246; ERIC L. MASCHOFF, Registration No. 36,596; GREGORY M. TAYLOR, Registration No. 34,263; KEVIN B. LAURENCE, Registration No. 38,219; GREGORY V. BEAN, Registration No. 36,448; BRIAN C. KUNZLER, Registration No. 38,527; JEFFREY L. RANCK, Registration No. 38,590; LENA I. VINITSKAYA, Registration No. 39,448; SUSAN K. MORRIS, Registration No. P-39,780; JONATHAN D. WOOD, Registration No. 38,076; ROBYN L. PHILLIPS, Registration No. 39,330; BRYAN FARNEY, Registration No. 32,651; LIA M. PAPPAS, Registration No. 34,095, and MICHAEL L. LYNCH, Registration No. 30,871, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. All correspondence and telephonic communications should be directed to:

BRADLEY K. DESANDRO, ATTORNEY
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the foregoing specification and claims, declaration, power of attorney, and this petition.

Signed at Boise, Idaho, this 21 day of May, 1996.

Inventor: Fernando Gonzalez
Fernando Gonzalez
2579 S. Flotilla Ave.
Boise, ID 83706

Signed at Boise, Idaho, this 22 day of May, 1996.

Inventor: Randhir Thakur
Randhir Thakur
3545 South Bridgeporte Street
Boise, ID 83706

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WHEN RECORDED RETURN TO:

Workman, Nydegger & Seeley
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

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ASSIGNMENT

We, Fernando Gonzalez and Randhir Thakur, of 2579 S. Flotilla Avenue, Boise, ID 83706, and 3545 South Bridgeporte Street, Boise, ID 83706, respectively, have invented a method and apparatus entitled SHALLOW DOPED JUNCTIONS WITH A VARIABLE PROFILE GRADIATION OF DOPANTS AND METHOD FOR FORMING SAME, hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application executed concurrently herewith by us and now identified as File No. 11675.83 of the law firm of Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, and filed in the United States Patent and Trademark Office as Serial No. _____ on _____. (We hereby authorize the attorneys of Workman, Nydegger & Seeley to insert said serial number and filing date when known.)

The Assignee, Micron Technology, Inc., a corporation of the State of Idaho, having a principal place of business at 8000 South Federal Way, Boise, Idaho 83707-0006, desires to secure the entire right, title and interest in said invention.

For good and valuable consideration paid to us by the Assignee, the receipt and sufficiency of which we hereby acknowledge, WE HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

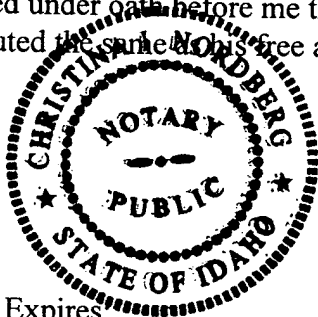
This assignment and agreement shall be binding upon our heirs and legal representatives.

Dated this 21 day of May, 1996.

Fernando Gonzalez
Fernando Gonzalez

STATE OF IDAHO)
COUNTY OF Ada) : ss.

On May 21st, 1996, before me personally appeared Fernando Gonzalez, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.



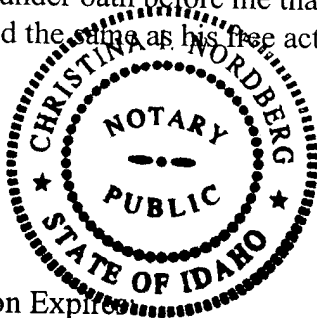
Christina J. Nordberg
NOTARY PUBLIC
Residing at Boise, Id

My Commission Expires:
~~Residing in Boise, Idaho~~
~~My Commission expires 9-8-2000~~

Randhir Thakur
Randhir Thakur

STATE OF IDAHO)
COUNTY OF Ada) : ss.

On May 22, 1996, before me personally appeared Randhir Thakur, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.



Christina J. Nordberg
NOTARY PUBLIC
Residing at Boise, Id

My Commission Expires
9-8-2000